

Amendments to the Claims:

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

Claim 1 (previously presented): An apparatus for providing application specific multi-dimensional information to an application running on a user computing device, wherein at least one dimension of the information is a category, from a plurality of member documents electronically extracted from a library of electronically searchable documents, comprising:

an application specific multidimensional information extractor adapted to extract occurrences of prospective representations of dimensions of application specific multidimensional information from the member documents, and to extract occurrences of non-application specific multidimensional information from the member documents.

Claim 2 (previously presented) The apparatus of claim 1 wherein the application specific multidimensional information extractor further comprises:

an encoder adapted to encode the occurrences of prospective dimensions of application specific multidimensional information and non-application specific multidimensional information contained in member documents according to a dimension specific coded representation of each dimension of application specific multidimensional information and a non-application specific coded representation of each non-application specific multidimensional information element.

Claim 3 (previously presented) The apparatus of claim 1 further comprising:

a member document identifier adapted to determine whether a member document contains coded formatting, and if not, whether the member document is a dense document, and if not, for rejecting the document from further processing.

Claim 4 (previously presented) The apparatus of claim 3, wherein the coded formatting comprises network markup language coding.

Claim 5 (previously presented) The apparatus of claim 2 further comprising:

a member document identifier adapted to determine whether a member document

contains coded formatting, and if not, whether the member document is a dense document, and if not, for rejecting the document from further processing.

Claim 6 (previously presented) The apparatus of claim 5 wherein the coded formatting comprises network markup language formatting.

Claim 7 (previously presented) An apparatus according to claim 1, further comprising:
an application specific multidimensional information verification unit adapted verify the extraction of application specific multi-dimensional information from the member documents.

Claim 8 (previously presented) An apparatus according to claim 2, further comprising:
an application specific multidimensional information verification unit adapted verify the extraction of application specific multi-dimensional information from the member documents.

Claim 9 (previously presented): An apparatus according to claim 3, further comprising:
an application specific multidimensional information verification unit adapted verify the extraction of application specific multi-dimensional information from the member documents.

Claim 10 (previously presented): An apparatus according to claim 4, further comprising:
an application specific multidimensional information verification unit adapted verify the extraction of application specific multi-dimensional information from the member documents.

Claim 11 (previously presented): An apparatus according to claim 5, further comprising:
an application specific multidimensional information verification unit adapted verify the extraction of application specific multi-dimensional information from the member documents.

Claim 12 (previously presented): An apparatus according to claim 6, further comprising:
an application specific multidimensional information verification unit adapted verify the extraction of application specific multi-dimensional information from the member documents.

Claim 13 (previously presented): An apparatus according to claim 7, further comprising:
a database for storing the application specific multi-dimensional information adapted to provide an application running on a user computing device access to the application specific multidimensional information.

Claim 14 (previously presented): An apparatus according to claim 8, further comprising:
a database for storing the application specific multi-dimensional information adapted to provide an application running on a user computing device access to the application specific multidimensional information.

Claim 15 (previously presented): An apparatus according to claim 9, further comprising:
a database for storing the application specific multi-dimensional information adapted to provide an application running on a user computing device access to the application specific multidimensional information.

Claim 16 (previously presented): An apparatus according to claim 10, further comprising:
a database for storing the application specific multi-dimensional information adapted to provide an application running on a user computing device access to the application specific multidimensional information,

Claim 17 (previously presented): An apparatus according to claim 11, further comprising:
a database for storing the application specific multi-dimensional information adapted to provide an application running on a user computing device access to the application specific multidimensional information.

Claim 18 (previously presented): An apparatus according to claim 12, further comprising:
a database for storing the application specific multi-dimensional information adapted to provide an application running on a user computing device access to the application specific multidimensional information.

Claim 19 (previously presented): The apparatus of claim 7 wherein the application specific multidimensional information verification unit further comprises:
a comparing unit adapted to compare occurrences of application specific multidimensional information from more than one member document and thereby increase the confidence level of the accuracy of the particular application specific multidimensional information.

Claim 20 (previously presented): The apparatus of claim 8 wherein the application specific multidimensional information verification unit further comprises:

a comparing unit adapted to compare occurrences of application specific multidimensional information from more than one member document and thereby increase the confidence level of the accuracy of the particular application specific multidimensional information.

Claim 21 (previously presented): The apparatus of claim 9 wherein the application specific multidimensional information verification unit further comprises:

a comparing unit adapted to compare occurrences of application specific multidimensional information from more than one member document and thereby increase the confidence level of the accuracy of the particular application specific multidimensional information.

Claim 22 (previously presented): The apparatus of claim 10 wherein the application specific multidimensional information verification unit further comprises:

a comparing unit adapted to compare occurrences of application specific multidimensional information from more than one member document and thereby increase the confidence level of the accuracy of the particular application specific multidimensional information.

Claim 23 (previously presented): The apparatus of claim 11 wherein the application specific multidimensional information verification unit further comprises:

a comparing unit adapted to compare occurrences of application specific multidimensional information from more than one member document and thereby increase the confidence level of the accuracy of the particular application specific multidimensional information

Claim 24 (previously presented): The apparatus of claim 12 wherein the application specific multidimensional information verification unit further comprises:

a comparing unit adapted to compare occurrences of application specific multidimensional information from more than one member document and thereby increase the confidence level of the accuracy of the particular application specific multidimensional information

Claim 25 (previously presented): An apparatus according to claim 19, further comprising:
a database for storing the application specific multi-dimensional information adapted to provide an application running on a user computing device access to the application specific multidimensional information.

Claim 26 (previously presented): An apparatus according to claim 20, further comprising:
a database for storing the application specific multi-dimensional information adapted to provide an application running on a user computing device access to the application specific multidimensional information.

Claim 27 (previously presented): An apparatus according to claim 21, further comprising:
a database for storing the application specific multi-dimensional information adapted to provide an application running on a user computing device access to the application specific multidimensional information.

Claim 28 (previously presented): An apparatus according to claim 22, further comprising:
a database for storing the application specific multi-dimensional information adapted to provide an application running on a user computing device access to the application specific multidimensional information.

Claim 29 (previously presented): An apparatus according to claim 23, further comprising:
a database for storing the application specific multi-dimensional information adapted to provide an application running on a user computing device access to the application specific multidimensional information.

Claim 30 (previously presented): An apparatus according to claim 24, further comprising:
a database for storing the application specific multi-dimensional information adapted to provide an application running on a user computing device access to the application specific multidimensional information.

Claim 31 (previously presented): The apparatus of claim 19 wherein the comparing unit is further adapted to compare occurrences of incomplete elements of respective dimensions of the application specific multidimensional information.

Claim 32 (previously presented): The apparatus of claim 20 wherein the comparing unit is further adapted to compare occurrences of incomplete elements of respective dimensions of the application specific multidimensional information.

Claim 33 (previously presented): The apparatus of claim 21 wherein the comparing unit is further adapted to compare occurrences of incomplete elements of respective dimensions of the application specific multidimensional information.

Claim 34 (previously presented): The apparatus of claim 22 wherein the comparing unit is further adapted to compare occurrences of incomplete elements of respective dimensions of the application specific multidimensional information.

Claim 35 (previously presented): The apparatus of claim 23 wherein the comparing unit is further adapted to compare occurrences of incomplete elements of respective dimensions of the application specific multidimensional information.

Claim 36 (previously presented): The apparatus of claim 24 wherein the comparing unit is further adapted to compare occurrences of incomplete elements of respective dimensions of the application specific multidimensional information.

Claim 37 (previously presented): The apparatus of claim 31 further comprising:
a database for storing the application specific multi-dimensional information adapted to provide an application running on a user computing device access to the application specific multidimensional information.

Claim 38 (previously presented): The apparatus of claim 32 further comprising:
a database for storing the application specific multi-dimensional information adapted to provide an application running on a user computing device access to the application specific multidimensional information.

Claim 39 (previously presented): The apparatus of claim 33 further comprising:
a database for storing the application specific multi-dimensional information adapted to provide an application running on a user computing device access to the application specific multidimensional information.

Claim 40 (previously presented): The apparatus of claim 34 further comprising:
a database for storing the application specific multi-dimensional information adapted to provide an application running on a user computing device access to the application specific multidimensional information.

Claim 41 (previously presented): The apparatus of claim 35 further comprising:
a database for storing the application specific multi-dimensional information adapted to provide an application running on a user computing device access to the application specific multidimensional information.

Claim 42 (previously presented): The apparatus of claim 36 further comprising:
a database for storing the application specific multi-dimensional information adapted to provide an application running on a user computing device access to the application specific multidimensional information.

Claim 43 (canceled)

Claim 44 (amended): ~~The apparatus of claim 43 wherein the scheduled event information extractor further comprises:~~ An apparatus for providing scheduled event information to an application running on a user computing device, wherein at least one dimension of the information is an event category, from a plurality of member documents electronically extracted from a library of electronically searchable documents, comprising:
an event information extractor adapted to extract occurrences of prospective representations of the time, location and event identity from the member documents, and to extract occurrences of non-prospective event related information from the member documents,
said event information extractor comprising an encoder adapted to encode the occurrences of prospective representations of the time, location and event identity information and non-prospective event related information contained in member documents according to a time, location and event identity specific coded representation of each of the occurrences of the time, location and event identity information and a coded representation of non-prospective event related information.

Claim 45 (amended): ~~The apparatus of claim 43 further comprising:~~ An apparatus for providing scheduled event information to an application running on a user computing device, wherein at least one dimension of the information is an event category, from a plurality of member documents electronically extracted from a library of electronically searchable documents, comprising:
an event information extractor adapted to extract occurrences of prospective representations of the time, location and event identity from the member documents, and to extract occurrences of non-prospective event related information from the member

documents; and

a member document identifier adapted to determine whether a member document contains coded formatting, and if not, whether the member document is a dense document, and if not for rejecting the document from further processing.

Claim 46 (previously presented): The apparatus of claim 45, wherein the coded formatting comprises network markup language coding.

Claim 47 (previously presented): The apparatus of claim 44 further comprising:

a member document identifier adapted to determine whether a member document contains coded formatting, and if not, whether the member document is; a dense document, and if not, for rejecting the document from further processing,

Claim 48 (previously presented): The apparatus of claim 47 wherein the coded formatting comprises network markup language formatting.

Claim 49 (amended): ~~An apparatus according to claim 43, further comprising:~~ An apparatus for providing scheduled event information to an application running on a user computing device, wherein at least one dimension of the information is an event category, from a plurality of member documents electronically extracted from a library of electronically searchable documents, comprising:

an event information extractor adapted to extract occurrences of prospective representations of the time, location and event identity from the member documents, and to extract occurrences of non-prospective event related information from the member documents; and

a scheduled event verification unit adapted verify the extraction of scheduled event information from the member documents.

Claim 50 (previously presented): An apparatus according to claim 44, further comprising:

a scheduled event verification unit adapted verify the extraction of scheduled event information from the member documents.

Claim 51 (previously presented): An apparatus according to claim 45, further comprising:

a scheduled event verification unit adapted verify the extraction of scheduled event information from the member documents.

Claim 52 (previously presented): An apparatus according to claim 46, further comprising:
a scheduled event verification unit adapted verify the extraction of scheduled
event information from the member documents.

Claim 53 (previously presented): An apparatus according to claim 47, further comprising:
a scheduled event verification unit adapted verify the extraction of scheduled
event information from the member documents.

Claim 54 (previously presented): An apparatus according to claim 48, further comprising:
a scheduled event verification unit adapted verify the extraction of scheduled
event information from the member documents.

Claim 55 (previously presented): An apparatus according to claim 49, further comprising:
a database for storing the scheduled event information adapted to provide an
application running on a user computing device access to the scheduled event
information.

Claim 56 (previously presented): An apparatus according to claim 50, further comprising:
a database for storing the scheduled event information adapted to provide an
application running on a user computing device access to the scheduled event
information.

Claim 57 (previously presented): An apparatus according to claim 51, further comprising:
a database for storing the scheduled event information adapted to provide an
application running on a user computing device access to the scheduled event information

Claim 58 (previously presented): An apparatus according to claim 52, further comprising:
a database for storing the scheduled event information adapted to provide an
application running on a user computing device access to the scheduled event
information.

Claim 59 (previously presented): An apparatus according to claim 53, further comprising:
a database for storing the scheduled event information adapted to provide an
application running on a user computing device access to the scheduled event information

Claim 60 (previously presented): An apparatus according to claim 54, further comprising:
a database for storing the scheduled event information adapted to provide an

application running on a user computing device access to the scheduled event information.

Claim 61 (previously presented): The apparatus of claim 49 wherein the scheduled event information verification unit further comprises:

a comparing unit adapted to compare occurrences of time, location or event identity information from more than one member document and thereby increase the confidence level of the accuracy of the scheduled event information.

Claim 62 (previously presented): The apparatus of claim 50 wherein the scheduled event information verification unit further comprises:

a comparing unit adapted to compare occurrences of time, location or event identity information from more than one member document and thereby increase the confidence level of the accuracy of the scheduled event information.

Claim 63 (previously presented): The apparatus of claim 51 wherein the scheduled event information verification unit further comprises:

a comparing unit adapted to compare occurrences of time, location or event identity information from more than one member document and thereby increase the confidence level of the accuracy of the scheduled event information.

Claim 64 (previously presented): The apparatus of claim 52 wherein the scheduled event information verification unit further comprises:

a comparing unit adapted to compare occurrences of time, location or event identity information from more than one member document and thereby increase the confidence level of the accuracy of the scheduled event information

Claim 65 (previously presented): The apparatus of claim 53 wherein the scheduled event information verification unit further comprises:

a comparing unit adapted to compare occurrences of time, location or event identity information from more than one member document and thereby increase the confidence level of the accuracy of the scheduled event information.

Claim 66 (previously presented): The apparatus of claim 54 wherein the scheduled event information verification unit further comprises:

a comparing unit adapted to compare occurrences of time, location or event

identity information from more than one member document and thereby increase the confidence level of the accuracy of the scheduled event information.

Claim 67 (previously presented): An apparatus according to claim 61, further comprising:
a database for storing the scheduled event information adapted to provide an
application running on a user computing device access to the scheduled event information

Claim 68 (previously presented): An apparatus according to claim 62, further comprising:
a database for storing the scheduled event information adapted to provide an
application running on a user computing device access to the scheduled event information

Claim 69 (previously presented): An apparatus according to claim 63, further comprising:
a database for storing the scheduled event information adapted to provide an
application running on a user computing device access to the scheduled event
information.

Claim 70 (previously presented): An apparatus according to claim 64, further comprising:
a database for storing the scheduled event information adapted to provide an
application running on a user computing device access to the scheduled event
information.

Claim 71 (previously presented): An apparatus according to claim 65, further comprising:
a database for storing the scheduled event information adapted to provide an
application running on a user computing device access to the scheduled event
information.

Claim 72 (previously presented): An apparatus according to claim 66, further comprising:
a database for storing the scheduled event information adapted to provide an
application running on a user computing device access to the scheduled event
information.

Claim 73 (previously presented): The apparatus of claim 61 wherein the comparing unit is
further adapted to compare occurrences of incomplete elements of respective dimensions
of the scheduled event information.

Claim 74 (previously presented): The apparatus of claim 62 wherein the comparing unit is further adapted to compare occurrences of incomplete elements of respective dimensions of the scheduled event information.

Claim 75 (previously presented): The apparatus of claim 63 wherein the comparing unit is further adapted to compare occurrences of incomplete elements of respective dimensions of the scheduled event information

Claim 76 (previously presented): The apparatus of claim 64 wherein, the comparing unit is further adapted to compare occurrences of incomplete elements of respective dimensions of the scheduled event information.

Claim 77 (previously presented): The apparatus of claim 65 wherein the comparing unit is further adapted to compare occurrences of incomplete elements of respective dimensions of the scheduled event information.

Claim 78 (previously presented): The apparatus of claim 66 wherein the comparing unit is further adapted to compare occurrences of incomplete elements of respective dimensions of the scheduled event multidimensional information.

Claim 79 (previously presented): The apparatus of claim 73 further comprising:
a database for storing the application specific multi-dimensional information adapted to provide an application running on a user computing device access to the scheduled event information.

Claim 80 (previously presented): The apparatus of claim 74 further comprising:
a database for storing the application specific multi-dimensional information adapted to provide an application running on a user computing device access to the scheduled event information.

Claim 81 (previously presented): The apparatus of claim 75 further comprising:
a database for storing the application specific multi-dimensional information adapted to provide an application running on a user computing device access to the scheduled event information.

Claim 82 (previously presented): The apparatus of claim 76 further comprising:
a database for storing the application specific multi-dimensional information

adapted to provide an application running on a user computing device access to the scheduled event information.

Claim 83 (previously presented): The apparatus of claim 77 further comprising:
a database for storing the application specific multi-dimensional information adapted to provide an application running on a user computing device access to the scheduled event information.

Claim 84 (previously presented): The apparatus of claim 78 further comprising:
a database for storing the application specific multi-dimensional information adapted to provide an application running on a user computing device access to the scheduled event information.

Claim 85 (previously presented): An apparatus for providing application specific multi-dimensional information to an application running on a user computing device, wherein at least one dimension of the information is a category, from a plurality of member documents electronically extracted from a library of electronically searchable documents, comprising:
an application specific multidimensional information extracting means for extracting occurrences of prospective representations of dimensions of application specific multidimensional information from the member documents, and extracting occurrences of non-application specific multidimensional information from the member documents.

Claim 86 (previously presented): The apparatus of claim 85 wherein the application specific multidimensional information extracting means further comprises:
an encoding means for encoding the occurrences of prospective dimensions of application specific multidimensional information and non-application specific multidimensional information contained, in member documents according to a dimension specific coded representation of each dimension of application specific multidimensional information and a non-application specific coded representation of each non-application specific multidimensional information element.

Claim 87 (previously presented): The apparatus of claim 85 further comprising:
a member document identifying means for determining whether a member

document contains coded formatting, and if not, whether the member document is a dense document, and if not for rejecting the document from further processing.

Claim 88 (previously presented): The apparatus of claim 87, wherein the coded formatting comprises network markup language coding.

Claim 89 (previously presented): The apparatus of claim 86 further comprising:
a member document identifying means for determining whether a member document contains coded formatting, and if not, whether the member document is a dense document and if not for rejecting the document from further processing,

Claim 90 (previously presented): The apparatus of claim 89 wherein the coded formatting comprises network markup language formatting.

Claim 91 (previously presented): An apparatus according to claim 85, further comprising:
an application specific multidimensional information verification means for verifying the extraction of application specific multi-dimensional information from the member documents.

Claim 92 (previously presented): An apparatus according to claim 86, further comprising:
an application specific multidimensional information verification means for verifying the extraction of application specific multi-dimensional information from the member documents.

Claim 93 (previously presented): An apparatus according to claim 87, further comprising:
an application specific multidimensional information verification means for verifying the extraction of application specific multi-dimensional information from the member documents.

Claim 94 (previously presented): An apparatus according to claim 88, further comprising:
an application specific multidimensional information verification means for verifying the extraction of application specific multi-dimensional information from the member documents.

Claim 95 (previously presented): An apparatus according to claim 89, further comprising:
an application specific multidimensional information verification means for

verifying the extraction of application specific multi-dimensional information from the member documents.

Claim 96 (previously presented): An apparatus according to claim 90, further comprising:
an application specific multidimensional information verification means for
verifying the extraction of application specific multi-dimensional information from the
member documents.

Claim 97 (previously presented): An apparatus according to claim 91, further comprising:
a database means for storing the application specific multi-dimensional
information and for providing an application running on a user computing device access
to the application specific multidimensional information.

Claim 98 (previously presented): An apparatus according to claim 92, further comprising:
a database means for storing the application specific multi-dimensional
information and for providing an application running on a user computing device access
to the application specific multidimensional information.

Claim 99 (previously presented): An apparatus according to claim 93, further comprising:
a database means for storing the application specific multi-dimensional
information and for providing an application running on a user computing device access
to the application specific multidimensional information.

Claim 100 (previously presented): An apparatus according to claim 94, further comprising:
a database means for storing the application specific multi-dimensional
information and for providing an application running on a us, computing device access to
the application specific multidimensional information.

Claim 101 (previously presented): An apparatus according to claim 95, further comprising:
a database means for storing the application specific multi-dimensional
information and for providing an application running on a user computing device access
to the application specific multidimensional information.

Claim 102 (previously presented): An apparatus according to claim 96, further comprising:
a database means to storing the application specific multi-dimensional information
and for providing an application running on a user computing device access to the
application specific multidimensional information.

Claim 103 (previously presented): The apparatus of claim 91 wherein the application specific multidimensional information verification unit further comprises:

a comparing means for comparing occurrences of application specific multidimensional information from more than one member document and thereby increasing the confidence level of the accuracy of the particular application specific multidimensional information.

Claim 104 (previously presented): The apparatus of claim 92 wherein the application specific multidimensional information verification unit further comprises:

a comparing means for comparing occurrences of application specific multidimensional information from more than one member document and thereby increasing the confidence level of the accuracy of the particular application specific multidimensional information.

Claim 105 (previously presented): The apparatus of claim 93 wherein the application specific multidimensional information verification unit further comprises:

a comparing means for comparing occurrences of application specific multidimensional information from more than one member document and thereby increasing the confidence level of the accuracy of the particular application specific multidimensional information.

Claim 106 (previously presented): The apparatus of claim 94 wherein the application specific multidimensional information verification unit further comprises:

a comparing means for comparing occurrences of application specific multidimensional information from more than one member document and thereby increasing the confidence level of the accuracy of the particular application specific multidimensional information.

Claim 107 (previously presented): The apparatus of claim 95 wherein the application specific multidimensional information verification unit further comprises:

a comparing means for computing occurrences of application specific multidimensional information from more than one member document and thereby increasing the confidence level of the accuracy of the particular application specific multidimensional information.

Claim 108 (previously presented): The apparatus of claim 96 wherein the application specific multidimensional information verification unit further comprises:

a comparing means for comparing occurrences of application specific multidimensional information from more than one member document and thereby increasing the confidence level of the accuracy of the particular application specific multidimensional information.

Claim 109 (previously presented): An apparatus according to claim 103, further comprising:

a database means for storing the application specific multi-dimensional information and for providing an application running on a user computing device access to the application specific multidimensional information

Claim 110 (previously presented): An apparatus according to claim 104, further comprising:

a database means for storing the application specific multi-dimensional information and for providing an application running on a user computing device access to the application specific multidimensional information.

Claim 111 (previously presented): An apparatus according to claim 105, further comprising:

a database means for storing the application specific multi-dimensional information and for providing an application running on a user computing device access to the application specific multidimensional information.

Claim 112 (previously presented): An apparatus according to claim 106, further comprising:

a database means for storing the application specific multi-dimensional information and for providing an application running on a user computing device access to the application specific multidimensional information.

Claim 113 (previously presented): An apparatus according to claim 107, further comprising:

a database for storing the application specific multi-dimensional information and for providing an application running on a user computing device access to the application specific multidimensional information.

Claim 114 (previously presented): An apparatus according to claim 108, further comprising:

a database means to storing the application specific multi-dimensional information for providing provide an application running on a user computing device access to the application specific multidimensional information.

Claim 115 (previously presented): The apparatus of claim 91 wherein the comparing means further comprises means for comparing occurrences of incomplete elements of respective dimensions of the application specific multidimensional information.

Claim 116 (previously presented): The apparatus of claim 92 wherein the comparing means further comprises means for comparing occurrences of incomplete elements of respective dimensions of the application specific multidimensional information.

Claim 117 (previously presented): The apparatus of claim 93 wherein the comparing means further comprises means for comparing occurrences of incomplete elements of respective dimensions of the application specific multidimensional information.

Claim 118 (previously presented): The apparatus of claim 94 wherein the comparing means further comprises means for comparing occurrences of incomplete elements of respective dimensions of the application specific multidimensional information.

Claim 119 (previously presented): The apparatus of claim 95 wherein the comparing means further comprises means for comparing occurrences of incomplete elements of respective dimensions of the application specific multidimensional information.

Claim 120 (previously presented): The apparatus of claim 96 wherein the comparing means further comprises means for comparing occurrences of incomplete elements of respective dimensions of the application specific multidimensional information

Claim 121 (previously presented): The apparatus of claim 115 further comprising:
a database means for storing the application specific multi-dimensional information and for providing an application running on a user computing device access to the application specific multidimensional information,

Claim 122 (previously presented): The apparatus of claim 116 further comprising:
a database means to storing the application specific multi-dimensional information and for providing an application running on a user computing device access to the application specific multidimensional information.

Claim 123 (previously presented): The apparatus of claim 117 further comprising:
a database means for storing the application specific multi-dimensional

information and for providing an application running on a user computing device access to the application specific multidimensional information.

Claim 124 (previously presented): The apparatus of claim 118 further comprising:

a database means for storing the application specific multi-dimensional information and for providing an application running on a user computing device access to the application specific multidimensional information.

Claim 125 (previously presented): The apparatus of claim 119 further comprising:

a database means for storing the application specific multi-dimensional information and for providing an application running on a user computing device access to the application specific multidimensional information.

Claim 126 (previously presented): The apparatus of claim 120 further comprising:

a database means for storing the application specific multi-dimensional information and for providing an application running on a user computing device access to the application specific multidimensional information.

Claim 127 (canceled)

Claim 128 (amended): ~~The apparatus of claim 127 wherein the scheduled event information extracting means further comprises:~~ An apparatus for providing scheduled event information to an application running on a user computing device, wherein at least one dimension of the information is an event category, from a plurality of member documents electronically extracted from a library of electronically searchable documents, comprising:

an event information extracting means for extracting occurrences of prospective representations of the time, location and event identity from the member documents, and for extracting occurrences of non-prospective event related information from the member documents,

said event information extracting means comprising an encoding means for encoding the occurrences of prospective representations of the time, location and event identity information and non-prospective event related information contained in member documents according to a time, location and event identity specific coded representation of each of the occurrences of the time, location and event identity information and a coded representation of non-prospective event related information.

Claim 129 (amended): ~~The apparatus of claim 127, further comprising:~~ An apparatus for providing scheduled event information to an application running on a user computing device, wherein at least one dimension of the information is an event category, from a plurality of member documents electronically extracted from a library of electronically searchable documents, comprising:

an event information extracting means for extracting occurrences of prospective representations of the time, location and event identity from the member documents, and for extracting occurrences of non-prospective event related information from the member documents; and

a member document identifying means for determining whether a member document contains coded formatting, and if not, whether the member document is a dense document, and if not, for rejecting the document from further processing.

Claim 130 (previously presented): The apparatus of claim 129, wherein the coded formatting comprises network markup language coding.

Claim 131 (previously presented): The apparatus of claim 130 further comprising:

a member document identifying means for determining whether a member document contains coded formatting, and if not, whether the member document is a dense document, and if not, for rejecting the document from further processing.

Claim 132 (previously presented): The apparatus of claim 131 wherein the coded formatting comprises network markup language formatting.

Claim 133 (amended): ~~An apparatus according to claim 127, further comprising:~~ An apparatus for providing scheduled event information to an application running on a user computing device, wherein at least one dimension of the information is an event category, from a plurality of member documents electronically extracted from a library of electronically searchable documents, comprising:

an event information extracting means for extracting occurrences of prospective representations of the time, location and event identity from the member documents, and for extracting occurrences of non-prospective event related information from the member documents; and

a scheduled event verification means for verifying the extraction of scheduled event information from the member documents.

Claim 134 (previously presented): An apparatus according to claim 128, further comprising:
a scheduled event verification means for verifying the extraction of scheduled
event information from the member documents.

Claim 135 (previously presented): An apparatus according to claim 129, further comprising:
a scheduled event verification means for verifying the extraction of scheduled
event information from the member documents.

Claim 136 (previously presented): An apparatus according to claim 130, further comprising:
a scheduled event verification means for verifying the extraction of scheduled
event information from the member documents.

Claim 137 (previously presented): An apparatus according to claim 131, further comprising:
a scheduled event verification means for verifying the extraction of scheduled
event information from the member documents.

Claim 138 (previously presented): An apparatus according to claim 132, further comprising:
a scheduled event verification means for verifying the extraction of scheduled
event information from the member documents.

Claim 139 (previously presented): An apparatus according to claim 133, further comprising:
a database means for storing the scheduled event information and for providing an
application running on a user computing device access to the scheduled event information

Claim 140 (previously presented): An apparatus according to claim 134, further comprising:
a database means for storing the scheduled event information and for providing an
application running on a user computing device access to the scheduled event
information.

Claim 141 (previously presented): An apparatus according to claim 135, further comprising:
a database means for storing the scheduled event information and for providing an
application running on a user computing device access to the scheduled event
information.

Claim 142 (previously presented): An apparatus according to claim 136, further comprising:
a database means for storing the scheduled event information and for providing an
application running on a user computing device access to the scheduled event information

Claim 143 (previously presented): An apparatus according to claim 137, further comprising:
a database means for storing the scheduled event information and for providing an application running on a user computing device access to the scheduled event information.

Claim 144 (previously presented): An apparatus according to claim 138, further comprising:
a database means for storing the scheduled event information and for providing an application running on a user computing device access to the scheduled event information.

Claim 145 (amended): The apparatus of claim ~~127~~ 133 wherein the scheduled event information verification unit further comprises:
a comparing means for comparing occurrences of time, location or event identity information from more than one member document and increasing the confidence level of the accuracy of the scheduled event information.

Claim 146 (amended): The apparatus of claim ~~128~~ 134 wherein the scheduled event information verification unit further comprises:
a comparing means for comparing occurrences of time, location or event identity information from more than one member document and increasing the confidence level of the accuracy of the scheduled event information.

Claim 147 (amended): The apparatus of claim ~~129~~ 135 wherein the scheduled event information verification unit further comprises:
a comparing means for comparing occurrences of time, location or event identity information from more than one member document and increasing the confidence level of the accuracy of the scheduled event information.

Claim 148 (amended): The apparatus of claim ~~130~~ 136 wherein the scheduled event information verification unit further comprises:
a comparing means for comparing occurrences of time, location or event identity information from more than one member document and increasing the confidence level of the accuracy of the scheduled event information.

Claim 149 (amended): The apparatus of claim ~~131~~ 137 wherein the scheduled event information verification unit further comprises:

a comparing means for comparing occurrences of time, location or event identity information from more than one member document and increasing the confidence level of the accuracy of the scheduled event information.

Claim 150 (amended): The apparatus of claim ~~132~~ 138 wherein the scheduled event information verification unit further comprises:

a comparing means for comparing occurrences of time, location or event identity information from more than one member document and increasing the confidence level of the accuracy of the scheduled event information.

Claim 151 (previously presented): An apparatus according to claim 145, further comprising:

a database means for storing the scheduled event information and for providing an application running on a user computing device access to the scheduled event information.

Claim 152 (previously presented): An apparatus according to claim 146, further comprising:

a database means for storing the scheduled event information and for providing an application running on a user computing device access to the scheduled event information.

Claim 153 (previously presented): An apparatus according to claim 147, further comprising:

a database means for storing the scheduled event information and for providing an application running on a user computing device access to the scheduled event information.

Claim 154 (previously presented): An apparatus according to claim 148, further comprising:

a database means for storing the scheduled event information and for providing an application running on a user computing device access to the scheduled event information.

Claim 155 (previously presented): An apparatus according to claim 149, further comprising:

a database means for storing the scheduled event information and for providing an application running on a user computing device access to the scheduled event information.

Claim 156 (previously presented): An apparatus according to claim 150, further comprising:

a database means for storing the scheduled event information and for providing an

application running on a user computing device access to the scheduled event information.

Claim 157 (amended): The apparatus of claim ~~127~~ 145 wherein the comparing means further comprises means for comparing occurrences of incomplete elements of respective dimensions of the scheduled event information.

Claim 158 (amended): The apparatus of claim ~~128~~ 146 wherein the comparing means further comprises means for comparing occurrences of incomplete elements of respective dimensions of the scheduled event information.

Claim 159 (amended): The apparatus of claim ~~129~~ 147 wherein the comparing means further comprises means for comparing occurrences of incomplete elements of respective dimensions of the scheduled event information.

Claim 160 (amended): The apparatus of claim ~~130~~ 148 wherein the comparing means further comprises means for comparing occurrences of incomplete elements of respective dimensions of the scheduled event information.

Claim 161 (amended): The apparatus of claim ~~131~~ 149 wherein the comparing means further comprises means for comparing occurrences of incomplete elements of respective dimensions of the scheduled event information.

Claim 162 (amended): The apparatus of claim ~~132~~ 150 wherein the comparing means further comprises means for comparing occurrences of incomplete elements of respective dimensions of the scheduled event information.

Claim 163 (previously presented): The apparatus of claim 157 further comprising:
a database means for storing the application specific multi-dimensional information and for providing an application running on a user computing device access to the scheduled event information.

Claim 164 (previously presented): The apparatus of claim 158 further comprising:
a database means for storing the application specific multi-dimensional information and for providing an application running on a user computing device access to the scheduled event information,

Claim 165 (previously presented): The apparatus of claim 159 further comprising:
a database means for storing the application specific multi-dimensional information and for providing an application running on a user computing device access to the scheduled event information.

Claim 166 (previously presented): The apparatus of claim 160 further comprising:
a database means for storing the application specific multi-dimensional information and for providing an application running on a user computing device access to the scheduled event information.

Claim 167 (previously presented): The apparatus of claim 161 further comprising:
a database means for storing the application specific multi-dimensional information and for providing an application running on a user computing device access to the scheduled event information.

Claim 168 (previously presented): The apparatus of claim 162 further comprising:
a database means for storing the application specific multi-dimensional information and for providing an application running on a user computing device access to the scheduled event information.

Claim 169 (previously presented): A method for providing application specific multidimensional information to an application running on a user computing device, wherein at least one dimension of the information is a category, from a plurality of member documents electronically extracted from a library of electronically searchable documents, comprising:
extracting occurrences of prospective representations of dimensions of application specific multidimensional information from the member documents, and extracting occurrences of non-application specific multidimensional information from the member documents.

Claim 170 (previously presented): The method of claim 169 wherein the application specific multidimensional information extracting step further comprises:
encoding the occurrences of prospective dimensions of application specific multidimensional information and non-application specific multidimensional information contained in member documents according to a dimension specific coded representation of each dimension of application specific multidimensional information and a non-

application specific coded representation of each non-application specific multidimensional information element.

Claim 171 (previously presented): The method of claim 169 further comprising:

determining whether a member document contains coded formatting, and if is not whether the member document is a dense document and if not, rejecting the document from further processing,

Claim 172 (previously presented): The method of claim 171, wherein the coded formatting comprises network markup language coding.

Claim 173 (previously presented): The method of claim 170 further comprising:

determining whether a member document contains coded formatting, and if not, whether the member document is a dense document, and if not, rejecting the document from further processing.

Claim 174 (previously presented): The method of claim 173 wherein the coded formatting comprises network markup language formatting.

Claim 175 (previously presented): The method according to claim 169, further comprising:

verifying the extraction of application specific multi-dimensional information from the member documents.

Claim 176 (previously presented): The method according to claim 170, further comprising:

verifying the extraction of application specific multi-dimensional information from the member documents.

Claim 177 (previously presented): The method according to claim 171, further comprising:

verifying the extraction of application specific multi-dimensional information from the member documents,

Claim 178 (previously presented): The method according to claim 172, further comprising:

verifying the extraction of application specific multi-dimensional information from the member documents.

Claim 179 (previously presented): The method according to claim 173, further comprising:

verifying the extraction of application specific multi-dimensional information from the member documents.

Claim 180 (previously presented): The method according to claim 174, further comprising:
verifying the extraction of application specific multi-dimensional information
from the member documents.

Claim 181 (previously presented): The method according to claim 175, further comprising:
storing the application specific multi-dimensional information and providing an
application running on a user computing device access to the application specific
multidimensional information.

Claim 182 (previously presented): The method according to claim 176, further comprising:
storing the application specific multi-dimensional information and providing an
application running on a user computing device access to the application specific
multidimensional information.

Claim 183 (previously presented): The method according to claim 177, further comprising:
storing the application specific multi-dimensional information and providing an
application running on a user computing device access to the application specific
multidimensional information

Claim 184 (previously presented): The method according to claim 178, further comprising:
storing the application specific multi-dimensional information and providing an
application running on a user computing device access to the application specific
multidimensional information.

Claim 185 (previously presented): The method according to claim 179, further comprising:
storing the application specific multi-dimensional information and providing an
application running on a user computing device access to the application specific
multidimensional information.

Claim 186 (previously presented): An apparatus according to claim 180, further comprising:
a database means for storing the application specific multi-dimensional
information and for providing an application running on a user computing device access
to the application specific multidimensional information.

Claim 187 (previously presented): The method of claim 175 wherein the application specific
multidimensional information verification gap further comprises:
comparing occurrences of application specific multidimensional information from

more than one member document and thereby increasing the confidence level of the accuracy of the particular application specific multidimensional information.

Claim 188 (previously presented): The method of claim 176 wherein the application specific multidimensional information verification step further comprises:

comparing occurrences of application specific multidimensional information from more than one member document and thereby increasing the confidence level of the accuracy of the particular application specific multidimensional information.

Claim 189 (previously presented): The method of claim 177 wherein the application specific multidimensional information verification step further comprises:

comparing occurrences of application specific multidimensional information from more than one member document and thereby increasing the confidence level of the accuracy of the particular application specific multidimensional information.

Claim 190 (previously presented): The method of claim 178 wherein the application specific multidimensional information verification step further comprises:

comparing occurrences of application specific multidimensional information from more than one member document and thereby increasing the confidence level of the accuracy of the particular application specific multidimensional information.

Claim 191 (previously presented): The method of claim 179 wherein the application specific multidimensional information verification step further comprises:

comparing occurrences of application specific multidimensional information from more than one member document and thereby increasing the confidence level of the accuracy of the particular application specific multidimensional information.

Claim 192 (previously presented): The method of claim 180 wherein the application specific multidimensional information verification step further comprises:

comparing occurrences of application specific multidimensional information from more than one member document and thereby increasing the confidence level of the accuracy of the particular application specific multidimensional information.

Claim 193 (previously presented): The method according to claim 187, further comprising: storing the application specific multi-dimensional information and providing an

application running on a user computing device access to the application specific multidimensional information.

Claim 194 (previously presented): The method according to claim 188, further comprising:
storing the application specific multi-dimensional information and providing an application running on a user computing device access to the application specific multidimensional information.

Claim 195 (previously presented): The method according to claim ~~188~~ 189, further comprising:
storing the application specific multidimensional information and providing an application running on a user computing device access to the application specific multidimensional information.

Claim 196 (previously presented): The method according to claim 190, further comprising:
storing the application specific multi-dimensional information and providing an application running on a user computing device access to the application specific multidimensional information

Claim 197 (previously presented): The method according to claim 191, further comprising:
storing the application specific multi-dimensional information and providing an application running on a user computing device access to the application specific multidimensional information.

Claim 198 (previously presented): The method according to claim 192, further comprising:
storing the application specific multi-dimensional information and providing provide an application running on a user computing device access to the application specific multidimensional information.

Claim 199 (previously presented): The method of claim 187 wherein the comparing step further comprises comparing occurrences of incomplete elements of respective dimensions of the application specific multidimensional information.

Claim 200 (previously presented): The method of claim 188 wherein the comparing step further comprises comparing occurrences of incomplete elements of respective dimensions of the application specific multidimensional information.

Claim 201 (previously presented): The method of claim 189 wherein the comparing step further comprises comparing occurrences of incomplete elements of respective dimensions of the application specific multidimensional information.

Claim 202 (previously presented): The method of claim 190 wherein the comparing step further comprises comparing occurrences of incomplete elements of respective dimensions of the application specific multidimensional information.

Claim 203 (previously presented): The method of claim 191 wherein the comparing step further comprises comparing occurrences of incomplete elements of respective dimensions of the application specific multidimensional information.

Claim 204 (previously presented): The method of claim 192 wherein the comparing step further comprises comparing occurrences of incomplete elements of respective dimensions of the application specific multidimensional information.

Claim 205 (previously presented): The method of claim 199 further comprising:
storing the application specific multi-dimensional information and providing an application running on a user computing device access to the application specific multidimensional information.

Claim 206 (previously presented): The method of claim 200 further comprising:
storing the application specific multi-dimensional information and providing an application running on a user computing device access to the application specific multidimensional information

Claim 207 (previously presented): The method of claim 201 further comprising:
storing the application specific multi-dimensional information and providing an application running on a user computing device access to the application specific multidimensional information.

Claim 208 (previously presented): The method of claim 202 further comprising:
storing the application specific multi-dimensional information and providing an application running on a user computing device access to the application specific multidimensional information.

Claim 209 (previously presented): The method of claim 203 further comprising:
storing the application specific multi-dimensional information and providing an application running on a user computing device access to the application specific multidimensional information.

Claim 210 (previously presented): The method of claim 204 further comprising:
storing the application specific multi-dimensional information and providing an application running on a user computing device access to the application specific multidimensional information.

Claim 211 (canceled)

Claim 212 (amended): ~~The method of claim 211 wherein the scheduled event information extracting step further comprises:~~ A method for providing scheduled event information to an application running on a user computing device, wherein at least one dimension of the information is an event category, from a plurality of member documents electronically extracted from a library of electronically searchable documents, comprising:
extracting occurrences of prospective representations of the time, location and event identity from the member documents, and occurrences of non-prospective event related information from the member documents; and
encoding the occurrences of prospective representations of the time, location and event identity information and non-prospective event related information contained in member documents according to a time, location and event identity specific coded representation of each of the occurrences of the time, location and event identity information and a coded representation of non-prospective event related information.

Claim 213 (amended): ~~The method of claim 211 further comprising:~~ A method for providing scheduled event information to an application running on a user computing device, wherein at least one dimension of the information is an event category, from a plurality of member documents electronically extracted from a library of electronically searchable documents, comprising:
extracting occurrences of prospective representations of the time, location and event identity from the member documents, and occurrences of non-prospective event related information from the member documents; and
determining whether a member document contains coded formatting, and if not

whether the member document is a dense document, and if not, for rejecting the document from further processing.

Claim 214 (previously presented): The method of claim 213, wherein the coded formatting comprises network markup language coding.

Claim 215 (previously presented): The method of claim 214 further comprising:
determining whether a member document contains coded formatting, and if not whether the member document is a dense document, and if not, for rejecting the document from further processing.

Claim 216 (previously presented): The apparatus of claim 215 wherein the coded formatting comprises network markup language formatting.

Claim 217 (amended): ~~The method according to claim 211, further comprising:~~ A method for providing scheduled event information to an application running on a user computing device, wherein at least one dimension of the information is an event category, from a plurality of member documents electronically extracted from a library of electronically searchable documents, comprising:

extracting occurrences of prospective representations of the time, location and event identity from the member documents, and for extracting occurrences of non-prospective event related information from the member documents; and

verifying the extraction of scheduled event information from the member documents.

Claim 218 (previously presented): The method according to claim 212, further comprising:
verifying the extraction of scheduled event information from the member documents.

Claim 219 (previously presented): The method according to claim 213, further comprising:
verifying the extraction of scheduled event information from the member documents.

Claim 220 (previously presented): The method according to claim 214, further comprising:
verifying the extraction of scheduled event information from the member documents.

Claim 221 (previously presented): The method according to claim 215, further comprising:
verifying the extraction of scheduled event information from the member
documents.

Claim 222 (previously presented): The method according to claim 216, further comprising:
veiling the extraction of scheduled event information from the member
documents.

Claim 223 (previously presented): The method according to claim 217, further comprising:
storing the scheduled event information and providing an application running on a
user computing device access to the scheduled event information.

Claim 224 (previously presented): The method according to claim 218, further comprising:
storing the scheduled event information and providing an application running on a
user computing device access to the scheduled event information.

Claim 225 (previously presented): The method according to claim 219, further comprising:
storing the scheduled event information and providing an application running on a
us, computing device access to the scheduled event information.

Claim 226 (previously presented): The method according to claim 220, further comprising:
storing the scheduled event information and providing an application running on a
user computing device access to the scheduled event information.

Claim 227 (previously presented): The method according to claim 221, further comprising:
storing the scheduled event information and providing an application running on a
user computing device coca to the scheduled event information.

Claim 228 (previously presented): The method according to claim 222, further comprising:
storing the scheduled event information and providing an application running on a
user computing device access to the scheduled event information.

Claim 229 (previously presented): The method of claim 217 wherein the scheduled event
information verification step further comprises:
comparing occurrences of time, location or event identity information from more
than one member document and increasing the confidence level of the accuracy of the
scheduled event information.

Claim 230 (previously presented): The method of claim 218 wherein the scheduled event information verification step further comprises:

comparing occurrences of time, location or event identity information from more than one member document and increasing the confidence level of the accuracy of the scheduled event information.

Claim 231 (previously presented): The method of claim 219 wherein the scheduled event information verification step further comprises:

comparing occurrences of time, location or event identity information from more than one member document and increasing the confidence level of the accuracy of the scheduled event information.

Claim 232 (previously presented): The method of claim 220 wherein the scheduled event information verification step further comprises:

comparing occurrences of time, location or event identity information from more than one member document and increasing the confidence level of the accuracy of the scheduled event information.

Claim 233 (previously presented): The method of claim 221 wherein the scheduled event information verification step further comprises:

comparing occurrences of time, location or event identity information from more than one member document and increasing the confidence level of the accuracy of the scheduled event information.

Claim 234 (previously presented): The method of claim 222 wherein the scheduled event information verification step further comprises:

comparing occurrences of time, location or event identity information from more than one member document and increasing the confidence level of the accuracy of the scheduled event information,

Claim 235 (previously presented): The method according to claim 229, further comprising:

storing the scheduled event information and providing an application running on a user computing device access to the scheduled event information.

Claim 236 (previously presented): The method according to claim 230, further comprising:
storing the scheduled event information and providing an application running on a
user computing device access to the scheduled event information.

Claim 237 (previously presented): The method according to claim 231, further comprising:
storing the scheduled event information and providing an application running on a
user computing device access to the scheduled event information.

Claim 238 (previously presented): The method according to claim 232, further comprising:
storing the scheduled event information and providing an application running on a
user computing device access to the scheduled event information.

Claim 239 (previously presented): The method according to claim 233, further comprising:
storing the scheduled event information and providing an application running on a
user computing device access to the scheduled event information.

Claim 240 (previously presented): The method according to claim 234, further comprising:
storing the scheduled event information and providing an application running on a
user computing device access to the scheduled event information.

Claim 241 (previously presented): The method of claim 229 wherein the comparing step
further comprises comparing occurrences of incomplete elements of respective
dimensions of the scheduled event information.

Claim 242 (previously presented): The method of claim 230 wherein the comparing step
further comprises comparing occurrences of incomplete elements of respective
dimensions of the scheduled event multidimensional information.

Claim 243 (previously presented): The method of claim 231 wherein the comparing step
further comprises comparing occurrences of incomplete elements of respective
dimensions of the scheduled event information.

Claim 244 (previously presented): The method of claim 232 wherein the comparing step
further comprises comparing occurrences of incomplete elements of respective
dimensions of the scheduled event information.

Claim 245 (previously presented): The apparatus of claim 233 wherein the comparing step further comprises comparing occurrences of incomplete elements of respective dimensions of the scheduled event information.

Claim 246 (previously presented): The method of claim 234 wherein the comparing step further comprises comparing occurrences of incomplete elements of respective dimensions of the scheduled event information.

Claim 247 (previously presented): The method of claim 241 further comprising:
storing the application specific multi-dimensional information and providing an application running on a user computing device access to the scheduled event information.

Claim 248 (previously presented): The method of claim 242 further comprising:
storing the application specific multi-dimensional information and providing an application running on a user computing device access to the scheduled event information.

Claim 249 (previously presented): The method of claim 243 further comprising:
storing the application specific multidimensional information and providing an application running on a user computing device access to the scheduled event information.

Claim 250 (previously presented): The method of claim 244 further comprising:
storing the application specific multi-dimensional information and for providing an application running on a user computing device access to the scheduled event information.

Claim 251 (previously presented): The method of claim 245 further comprising:
storing the application specific multi-dimensional information and for providing an application running on a user computing device access to the scheduled event information.

Claim 252 (previously presented): The method of claim 246 further comprising:
storing the application specific multi-dimensional information and for providing an application running on a user computing device access to the scheduled event information.

Claim 253 (previously presented): An apparatus for providing application specific multidimensional information to an application running on a user computing device, wherein at least one dimension of the information is a category, from a plurality of member documents electronically extracted from a library of electronically searchable documents, comprising:

an application specific multidimensional information extractor adapted to extract occurrences of prospective representations of dimensions of application specific multidimensional information from the member documents, and to extract occurrences of non-application specific multidimensional information from the member documents; and,

an encoder adapted to encode the occurrences of prospective dimensions of application specific multidimensional information and non-application specific multidimensional information contained in member documents according to a dimension specific coded representation of each dimension of application specific multidimensional information and a non-application specific coded representation of each non-application specific multidimensional information element.

Claim 254 (previously presented): An apparatus for providing application specific multi-dimensional information to an application running on a user computing device, wherein at least one dimension of the information is a category, from a plurality of member documents electronically extracted from a library of electronically searchable documents, comprising:

an application specific multidimensional information extractor adapted to extract occurrences of prospective representations of dimensions of application specific multidimensional information from the member documents, and to extract occurrences of non-application specific multidimensional information from the member documents;

an encoder adapted to encode the occurrences of prospective dimensions of application specific multidimensional information and non-application specific multidimensional information contained in member documents according to a dimension specific coded representation of each dimension of application specific multidimensional information and a non-application specific coded representation of each non application specific multidimensional information element; and,

a member document identifier adapted to determine whether a member document contains coded formatting, and if not whether the member document is a dense document, and if no, for rejecting the document from further processing.

Claim 255 (previously presented): An apparatus for providing application specific multi-dimensional information to an application running on a user computing device, wherein at least one dimension of the information is a category, from a plurality of member documents electronically extracted from a library of electronically searchable documents, comprising:

an application specific multidimensional information extractor adapted to extract occurrences of prospective representations of dimensions of application specific multidimensional information from the member documents, and to extract occurrences of non-application specific multidimensional information from the member documents;

an encoder adapted to encode the occurrences of prospective dimensions of application specific multidimensional information and non-application specific multidimensional information contained in member documents according to a dimension specific coded representation of each dimension of application specific multidimensional information and a non-application specific coded representation of each non application specific multidimensional information element;

a member document identifier adapted to determine whether a member document contains coded formatting, and if not, whether the member document is a dense document, and if not, for rejecting the document from further processing; and,

wherein the coded formatting comprises network markup language coding.

Claim 256 (previously presented): An apparatus for providing application specific multi-dimensional information to an application running on a user computing device, wherein at least one dimension of the information is a category, from a plurality of member documents electronically extracted from a library of electronically searchable documents, comprising:

an application specific multidimensional information extractor adapted to extract occurrences of prospective representations of dimensions of application specific multidimensional information from the member documents, and to extract occurrences of non-application specific multidimensional information from the member documents;

an encoder adapted to encode the occurrences of prospective dimensions of application specific multidimensional information and non-application specific multidimensional information contained in member documents according to a dimension specific coded representation of each dimension of application specific multidimensional information and a non application specific coded representation of each non application

specific multidimensional information element; and
an application specific multidimensional information verification unit adapted
verify the extraction of application specific multi-dimensional information from the
member documents.

Claim 257 (previously presented): An apparatus for providing application specific multi-
dimensional information to an application running on a user computing device, wherein at
least one dimension of the information is a category, from a plurality of member
documents electronically extracted from a library of electronically searchable documents,
comprising:

an application specific multidimensional information extractor adapted to extract
occurrences of prospective representations of dimensions of application specific
multidimensional information from the member documents, and to extract occurrences of
non-application specific multidimensional information from the member documents;

an encoder adapted to encode the occurrences of prospective dimensions of
application specific multidimensional information and non-application specific
multidimensional information contained in member documents according to a dimension
specific coded representation of each dimension of application specific multidimensional
information and a non-application specific coded representation of each non-application
specific multidimensional information element;

a member document identifier adapted to determine whether a member document
contains coded formatting, and if not, whether the member document is a dense
document, and if not, for rejecting the document from further processing; and,

an application specific multidimensional information verification unit adapted
verify the extraction of application specific multi-dimensional information from the
member documents.

Claim 258 (previously presented): An apparatus for providing application specific multi-
dimensional information to an application running on a user computing device, wherein at
least one dimension of the information is a category, from a plurality of member
documents electronically extracted from a library of electronically searchable documents,
comprising:

an application specific multidimensional information extractor adapted to extract
occurrences of prospective representations of dimensions of application specify
multidimensional information from the member documents, and to extract occurrences of

non-application specific multidimensional information from the member documents;

an encoder adapted to encode the occurrences of prospective dimensions of application specific multidimensional information and non-application specific multidimensional information contained in member documents according to a dimension specific coded representation of each dimension of application specific multidimensional information and a non-application specific coded representation of each non-application specific multidimensional information element;

a member document identifier adapted to determine whether a member document contains coded formatting, and if not whether the member document is a dense document, and if not, for rejecting the document from further processing;

wherein the coded formatting comprises network markup language coding; and,

an application specific multidimensional information verification unit adapted verify, the extraction of application specific multi-dimensional information from the member documents.

Claim 259 (previously presented): An apparatus for providing application specific multi-dimensional information to an application running on a user computing device, wherein at least one dimension of the information is a category, from a plurality of member documents electronically extracted from a library of electronically searchable documents, comprising:

an application specific multidimensional information extractor adapted to extract occurrences of prospective representations of dimensions of application specific multidimensional information from the member documents, and to extract occurrences of non-application specific multidimensional information from the member documents;

an encoder adapted to encode the occurrences of prospective dimensions of application specific multidimensional information and non-application specific multidimensional information contained in member documents according to a dimension specific coded representation of each dimension of application specific multidimensional information and a non-application specific coded representation of each non-application specific multidimensional information element;

a member document identifier adapted to determine whether a member document contains coded formatting, and if not, whether the member document is a dense document, and if not, for rejecting the document from further processing;

wherein the coded formatting comprises network markup language coding;

an application specific multidimensional information verification unit adapted verify the extraction of application specific multi-dimensional information from the member documents; and,

a database for storing the application specific multi-dimensional information adapted to provide an application running on a user computing device access to the application specific multidimensional information.

Claim 260 (previously presented): An apparatus for providing scheduled event information to an application running on a user computing device, wherein at least one dimension of the information is an event category, from a plurality of member documents electronically extracted from a library of electronically searchable documents, comprising:

an event information extractor adapted to extract occurrences of prospective representations of the time, location and event identity from the member documents, and to extract occurrences of non-prospective event related information from the member document; and,

an encoder adapted to encode the occurrences of prospective representations of the time, location and event identity information and non-prospective event related information contained in member documents according to a time, location and event identity specific coded representation of each of the occurrences of the time, location and event identity information and a coded representation of non-prospective event related information.

Claim 261 (previously presented): An apparatus for providing scheduled event information to an application running on a user computing device, wherein at least one dimension of the information is an event category, from a plurality of member documents electronically extracted from a library of electronically searchable documents, comprising:

an event information extractor adapted to extract occurrences of prospective representations of the time, location and event identity from the member documents, and to extract occurrences of non-prospective event related information from the member documents;

an encoder adapted to encode the occurrences of prospective representations of the time, location and event identity information and non-prospective event related information contained in member documents according to a time, location and event identity specific coded representation of each of the occurrences of the time, location and event identity information and a coded representation of non-prospective event related

information; and,

a member document identifier adapted to determine whether a member document contains coded formatting, and if not, whether the member document is a dense document, and if not, for rejecting the document from further processing.

Claim 262 (previously presented): An apparatus for providing scheduled event information to an application running on a user computing device, wherein at least one dimension of the information is an event category, from a plurality of member documents electronically extracted from a library of electronically searchable documents, comprising:

an event information extractor adapted to extract occurrences of prospective representations of the time, location and event identity from the member documents, and to extract occurrences of non-prospective event related information from the member documents;

an encoder adapted to encode the occurrences of prospective representations of the time, location and event identity information and non-prospective event related information contained in member documents according to a time, location and event identity specific coded representation of each of the occurrences of the time, location and event identity information and a coded representation of non-prospective event related information;

a member document identifier adapted to determine whether a member document contains coded formatting, and if not, whether the member document is a dense document, and for rejecting the document from further processing; and,

wherein the coded formatting comprises network markup language coding,

Claim 263 (previously presented): An apparatus for providing scheduled event information to an application running on a user computing device, wherein at least one dimension of the information is an event category, from a plurality of member documents electronically extracted from a library of electronically searchable documents, comprising:

an event information extractor adapted to extract occurrences of prospective representations of the time, location and event identity from the member documents, and to extract occurrences of non-prospective event related information from the member documents;

an encoder adapted to encode the occurrences of prospective representations of the time, location and event identity information and non-prospective event related information contained in member documents according to a time, location and event

identity specific coded representation of each of the occurrences of the time, location and event identity information and a coded representation of non-prospective event related information;

a member document identifier adapted to determine whether a member document contains coded formatting, and if not, whether the member document is a dense document, and if not for rejecting the document from further processing; wherein the coded formatting comprises network markup language coding;

a scheduled event verification it adapted verify the extraction of scheduled event information from the member documents.

Claim 264 (previously presented): An apparatus for providing scheduled event information to an application running on a user computing device, wherein at least one dimension of the information is an event category, from a plurality of member documents electronically extracted from a library of electronically searchable documents, comprising:

an event information extractor adapted to extract occurrences of prospective representations of the time, location and event identity from the member documents, and to extract occurrences of non-prospective event related information from the member documents;

an encoder adapted to encode the occurrences of prospective representations of the time, location and event identity information and non-prospective event related information contained in member documents according to a time, location and event identity specific coded representation of each of the occurrences of the time, location and event identity information and a coded representation of non-prospective event related information;

a member document identifier adapted to determine whether a member document contains coded formatting, and if not, whether the member document is a dense document, and if not, for rejecting the document from further processing;

wherein the coded formatting comprises network markup language coding;

a scheduled event verification unit adapted verify the extraction of scheduled event information from the member documents; and,

a database for storing the scheduled event information adapted to provide an application running on a user computing device access to the scheduled event information.

Claim 265 (canceled)

Claim 266 (canceled)

Claim 267 (canceled)

Claim 268 (canceled)